

**AMENDMENT TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

No claims are added, amended, or cancelled in this response.

**Listing of Claims:**

Claims 1-3 (canceled)

Claim 4 (original): A method for encoding a motion video signal, the method comprising:

initializing an accumulated bandwidth record;

encoding a first frame of the motion video signal to form an encoded frame;

determining a consumed bandwidth of the encoded frame;

adjusting the accumulated bandwidth record according to the consumed bandwidth;

comparing the accumulated bandwidth record to a desired range of acceptable accumulated bandwidth;

adjusting a quantization parameter such that encoding subsequent frames of the motion video signal according to the quantization parameter as adjusted consumes bandwidth in a manner which compensates for a deviation from the desired range of acceptable bandwidth by the accumulated bandwidth record; and

encoding a second frame of the motion video signal according to the

1 quantization parameter as adjusted.

2  
3 Claim 5 (original): The method of Claim 4 wherein the step of  
4 adjusting the accumulated bandwidth record comprises:

5 adding to the accumulative bandwidth record an amount of available  
6 bandwidth between the first frame and a preceding frame; and

7 subtracting from the accumulative bandwidth record an amount of  
8 bandwidth consumed by the encoded frame.

9  
10 Claim 6 (original): The method of Claim 4 wherein the second  
11 frame is subsequent to the first frame the motion video signal.

12  
13 Claim 7 (original): The method of Claim 4 wherein the step of  
14 adjusting the quantization parameter comprises:

15 determining that the accumulated bandwidth record represents  
16 accumulated bandwidth in excess of the desired range; and

17 decreasing the quantization parameter to increase bandwidth  
18 consumed by encoding of subsequent frames of the motion video signal.

19  
20 Claim 8 (original): The method of Claim 4 wherein the step of  
21 adjusting the quantization parameter comprises:

22 determining that the accumulated bandwidth record represents  
23 accumulated bandwidth which is below the desired range; and

24 increasing the quantization parameter to decrease bandwidth  
25 consumed by encoding of subsequent frames of the motion video signal.

1  
2 Claims 9-18 (canceled)

3  
4 Claim 19 (original): A computer readable medium useful in association  
5 with a computer which includes a processor and a memory, the computer readable  
6 medium including computer instructions which are configured to cause the  
7 computer to perform the steps of:  
8       initializing an accumulated bandwidth record;  
9       encoding a first frame of the motion video signal to form an encoded frame;  
10       determining a consumed bandwidth of the encoded frame;  
11       adjusting the accumulated bandwidth record according to the consumed  
12 bandwidth;  
13       comparing the accumulated bandwidth record to a desired range of  
14 acceptable accumulated bandwidth;  
15       adjusting a quantization parameter such that encoding subsequent frames of  
16 the motion video signal according to the quantization parameter as adjusted  
17 consumes bandwidth in a manner which compensates for a deviation from the  
18 desired range of acceptable bandwidth by the accumulated bandwidth record; and  
19       encoding a second frame of the motion video signal according to the  
20 quantization parameter as adjusted.

21  
22 Claim 20 (original): The computer readable medium of Claim 19 wherein  
23 the step of adjusting the accumulated bandwidth record comprises:  
24       adding to the accumulative bandwidth record an amount of available  
25 bandwidth between the first frame and a preceding frame; and

1 subtracting from the accumulative bandwidth record an amount of  
2 bandwidth consumed by the encoded frame.

3  
4 Claim 21 (original): The computer readable medium of Claim 19 wherein  
5 the second frame is subsequent to the first frame in the motion video signal.

6  
7 Claim 22 (original): The computer readable medium of Claim 19 wherein  
8 the step of adjusting the quantization parameter comprises:

9 determining that the accumulated bandwidth record represents accumulated  
10 bandwidth in excess of the desired range; and

11 decreasing the quantization parameter to increase bandwidth consumed by  
12 encoding Of subsequent frames of the motion video signal.

13  
14 Claim 23 (original): The computer readable medium of Claim 19 wherein  
15 the step of adjusting the quantization parameter comprises:

16 determining that the accumulated bandwidth record represents accumulated  
17 bandwidth which is below the desired range; and

18 increasing the quantization parameter to decrease bandwidth consumed by  
19 encoding of subsequent frames of the motion video signal.

20  
21 Claims 24-33 (canceled)

1 Claim 34 (original): A computer system comprising:  
2 a processor;  
3 a memory operatively coupled to the processor; and  
4 a motion video signal encoder which executes in the processor from the  
5 memory and which, when executed by the processor, performs the steps of:  
6 initializing an accumulated bandwidth record;  
7 encoding a first frame of the motion video signal to form an encoded  
8 determining a consumed bandwidth of the encoded frame;  
9 adjusting the accumulated bandwidth record according to the  
10 consumed bandwidth;  
11 comparing the accumulated bandwidth record to a desired range of  
12 acceptable accumulated bandwidth;  
13 adjusting a quantization parameter such that encoding subsequent  
14 frames of the motion video signal according to the quantization parameter  
15 as adjusted consumes bandwidth in a manner which compensates for a  
16 deviation from the desired range of acceptable bandwidth by the  
17 accumulated bandwidth record; and  
18 encoding a second frame of the motion video signal according to the  
19 quantization parameter as adjusted.

20  
21 Claim 35 (original): The computer system of Claim 34 wherein the step of  
22 adjusting the accumulated bandwidth record comprises:

23 adding to the accumulative bandwidth record an amount of available  
24 bandwidth between the first frame and a preceding frame; and  
25 subtracting from the accumulative bandwidth record an amount of

1 bandwidth consumed by the encoded frame.

2  
3 Claim 36 (original): The computer system of Claim 34 wherein the second  
4 frame is subsequent to the first frame in the motion video signal.

5  
6 Claim 37 (original): The computer system of Claim 34 wherein the step of  
7 adjusting the quantization parameter comprises:

8 determining that the accumulated bandwidth record represents  
9 accumulated bandwidth in excess of the desired range; and

10 decreasing the quantization parameter to increase bandwidth  
11 consumed by encoding of subsequent frames of the motion video signal.

12  
13 Claim 38 (original): The computer system of Claim 34 wherein the step of  
14 adjusting the quantization parameter comprises:

15 determining that the accumulated bandwidth record represents  
16 accumulated bandwidth which is below the desired range; and

17 increasing the quantization parameter to decrease bandwidth  
18 consumed by encoding of subsequent frames of the motion video signal.

19  
20 Claims 39-45 (canceled)

21  
22 Claim 46 (previously presented): A computer readable medium comprising  
23 instructions which, when executed by a computer, performs the method of Claim

24 4.  
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